

## Historical Floods: Swatara Creek at Middletown (Old Site), Pennsylvania

Latitude: 40.2

Flood Stage: 11 ft

Period of Record: 1972-Present

Last Flood: 9/9/2011

Longitude: -76.717

Number of Floods: 25

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
6/23/1972	28.45	-9,999	Major	G2
9/27/1975	19.47	-9,999	Major	G2
1/27/1976	13.47	-9,999	Minor	G2
4/17/1983	13.50	-9,999	Minor	G2
3/16/1986	12.14	-9,999	Minor	G2
5/22/1988	12.20	-9,999	Minor	G2
5/17/1989	12.00	-9,999	Minor	G2
11/29/1993	14.00	-9,999	Moderate	G2
12/6/1993	11.50	-9,999	Minor	G2
3/28/1994	11.00	-9,999	Minor	G2
1/20/1995	11.00	-9,999	Minor	G2
1/21/1996	14.00	-9,999	Moderate	G2
1/28/1996	13.00	-9,999	Minor	G2
9/19/2004	19.50	-9,999	Major	G2
9/29/2004	11.00	-9,999	Minor	G2
1/15/2005	11.30	-9,999	Minor	G2
6/28/2006	20.60	-9,999	Major	G2
3/3/2007	11.90	-9,999	Minor	G2
3/6/2008	15.00	-9,999	Moderate	G2
12/13/2008	11.00	-9,999	Minor	G2
10/1/2010	11.20	-9,999	minor	G2

3/8/2011	11.20	-9,999	Minor	G2
3/13/2011	15.10	-9,999	Moderate	G2
4/18/2011	10.80	8,920	Minor	G2
9/9/2011	23.23	-9,999	Major	G2

Drainage Area: 569 sq mi

Gage Datum: 284 ft MSL

Lower Main Stem Susquehanna Basin

County of Gage: Dauphin

County of Forecast Point: Dauphin

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Crest (ft)

Streamflow (cfs)

Category

Code

-9999 signifies missing data

### MARFC Codes

Code Description

- C1 Crest information looks unreliable and incomplete and not used in frequency calculations. Some of the floods are based on current flood stage and nearby gage information.
- C2 Crest information looks reliable despite potential problems. This data was used in frequency calculations.
- C3 Crest height estimated by the USGS.
- C4 Crest height is from the National Weather Service.
- C5 Crest height affected by backwater.
- C6 Crest occurred at a previous flood stage that is lower than the current flood stage. The crests below the new flood stage are not used in flood frequency calculations.
- C7 Crest from USGS yearly peak and/or date is different than the crest we provide. In many cases MARFC uses crest based on backwater or ice effects. Crest month or day of occurrence has been estimated by The Middle Atlantic River Forecast Center usually based on nearby gage information.
- C8 Crest date (day) in the month is unknown.
- C9 Flow is an estimate.
- F1 Flow affected by regulation or diversion and in some cases to an unknown degree.
- F2 Flow effected by snow-melt, ice jam or debris jam break up.
- F3 Flow affected by dam failure.
- F4 Flow - All or part of the record affected by urbanization, mining, agricultural changes, channelization or other factors.
- F5 Gage height at a different site and/or datum.
- G1 Gage is not an official USGS gage with crests provided by the NWS. Crest information looks unreliable and incomplete and not used in flood frequency calculations.
- G2 Gage datum changed during this year.

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